

REMARKS

Claims 1-16 and 18-24 are pending in this application. By this amendment, claim 2 is amended. No new matter has been added.

In view of the foregoing amendments and following remarks, Applicants respectfully request the Examiner to reconsider and withdraw all outstanding grounds of rejection. Applicants respectfully request allowance of the application.

On page 2 the Office Action objects to claim 2. Claim 2 is amended.

On page 2 the Office Action rejects claim 1 under 35 U.S.C. § 112, ¶ 2. This rejection is respectfully traversed.

In rejecting claim 1 under 35 U.S.C. § 112, ¶ 2, the Office Action states that it “is unclear whether the routing box uses published-subscribe based routing to transfer the digital content files or if it uses the filters to transfer the digital content files...or how it is possible for both to be used in a way that avoid conflicts in the routing procedures.

By its plain language, the invention recited in claim 1 routes the routes digital content files using published-subscribe techniques. The filters are applied at points in the network to allow intelligent routing of messages. This is supported in the specification at least at page 5, lines 6 to 16. Accordingly, Applicants contend that the subject matter of claim 1 is not indefinite and request withdrawal of the rejection of claim 1 under 35 U.S.C. § 112, ¶ 2.

On page 3 the Office Action rejects claims 1 - 16 and 18 - 24 under 35 U.S.C. § 103(a) over U.S. Patent 6,567,893 to Challenger et al. (hereafter Challenger) in view of U.S. Patent 6,055,364 to Speakman et al. (hereafter Speakman). This rejection is respectfully traversed.

“A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference.” *Verdegaal Bros. v. Union Oil Co. of California*, 814 F.2d 628, 631, 2 USPQ2d 1051, 1053 Fed. Cir. 1987).

CLAIM 1

Challenger is directed to a system that maintains cache coherency using a publish-subscribe system. See Col. 3, lines 26-30. As the Office Action admits, Challenger does not disclose or suggest “a router box that receives the distributed digital content as files from the central distributor and transfers the digital content files to the plurality of cache servers, and

wherein the routing box receives a filter and uses the filter to selectively transfer the digital content files to the one or more of the plurality of cache servers.” However, the Office Action asserts Speakman “teaches selectively transferring content to recipients via content--based filtering.” The Office Action concludes that it would have been obvious to combine Challenger and Speakman to arrive at the invention recited in claim 1.

Speakman is directed to content-based filtering of multi-cast data. Speakman provides little guidance as to how the content is distributed and how the content-based filtering is completed. At most, Speakman discloses use of a mapping server 150 to distribute digital content to recipients 120 from servers 110 over network 130. Speakman most definitely does not disclose or suggest a routing box that receives distributed digital content, transfers the content to cache servers, wherein the routing box receives a filter and uses the filter to selectively transfer the digital content files to the cache servers.

In contrast to Challenger and Speakman, claim 1 recites “a routing box that receives the distributed digital content as files from the central distributor and transfers the digital content files to the plurality of cache servers using a publish-subscribe content-based routing, wherein the digital content files are publications and the user requests are subscriptions and wherein the routing box receives a filter and uses the filter to selectively transfer the digital content files to one or more of the plurality of cache servers.” As notified above, Speakman and Challenger, individually and in combination, do not disclose or suggest this feature. Accordingly, claim 1 is patentable.

CLAIM 13

Claim 13 is an independent method claim conforming generally to patentable system claim 1. Specifically, claim 13 recites propagating a filter to a routing box in a network. As noted above with respect to the rejection of claim 1, this feature is not disclosed or suggested by either Challenger or Speakman. Therefore, claim 13 also is patentable.

DEPENDANT CLAIMS

Claims 2-12 depend from independent claim 1 and claims 14-16 and 18-24 depend from independent claim 13. Therefore, claims 2-12, 14-16 and 18-24 are in condition for allowance

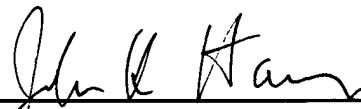
over the applied art for at least the reasons stated above and for the independently patentable features they recite.

CONCLUSION

Applicants respectfully submit that the application is in condition for allowance and request that a timely Notice of Allowance be issued. If the Examiner believes that a personal or telephonic interview would be of value in expediting the prosecution of this application, the Examiner is hereby invited to telephone the undersigned counsel to arrange for such a conference.

Respectfully submitted,

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John K. Harrop
Reg. No. 41,817
ANDREWS KURTH LLP
1350 I Street, N.W.
Suite 1100
Washington, D.C. 20005
Telephone: (202) 662-2738
Fax: (202) 662-2739